

DERWENT-ACC-NO: 1996-207763

DERWENT-WEEK: 199621

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Compsn. for detecting antibodies to HIV-1 and
HIV-2 - contains a set of recombinant antigens
synthesised by E.coli cells transformed by env1, gag1, pol1,
pol-int1 and env2 genes

INVENTOR: ANDZHAPARIDZE, O G; SUKHANOVA, L L ; ZAITSSEV, I Z

PATENT-ASSIGNEE: BIOSERVIS BIOTECHN CO[BIOSR]

PRIORITY-DATA: 1992SU-5025679 (January 5, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
RU <u>2043411</u> C1	September 10, 1995	N/A
007 C12N 015/48		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
RU 2043411C1	N/A	1992SU-5025679
January 5, 1992		

INT-CL (IPC): C12N015/48

ABSTRACTED-PUB-NO: RU 2043411C

BASIC-ABSTRACT:

A compsn. for detecting antibodies to HIV-1 and HIV-2 contains a set of recombinant antigens synthesised in E. coli cells transformed using recombinant DNA comprising fragments of one or more of the following HIV genes: env 1, gag 1, pol 1, pol-int 1 and env 2. E. coli beta galactosidase may be used as control antigen.

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 7, 2004, 16:12:42 ; Search time 55 Seconds
(without alignments)
205.489 Million cell updates/sec

Title: US-09-515-014A-3
Perfect score: 217
Sequence: 1 KIQNFVYRDRPLWKGPAKLWKGAVVIQDNDIK 40

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29Jan04.*
1: GeneSeq1980s.*
2: GeneSeq1990s.*
3: GeneSeq2000s.*
4: GeneSeq2001s.*
5: GeneSeq2002s.*
6: GeneSeq2003as.*
7: GeneSeq2003bs.*
8: GeneSeq2004s.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	217	100.0	282	2 AAR91824	Aar91824 Human imm
2	217	100.0	282	2 AAW44832	Asw44832 Hybrid HI
3	217	100.0	288	5 AAO21412	Aao21412 Human imm
4	217	100.0	288	5 AAO21424	Aao21424 Human imm
5	217	100.0	288	7 ADE29022	Ade29022 HIV-1 IN
6	217	100.0	902	3 AAB12995	Aab12995 HIV-1 rev
7	217	100.0	1003	1 AAP60420	Aap60420 Sequence
8	217	100.0	1003	1 AAP70861	Aap70861 Sequence
9	217	100.0	1003	3 AAB69284	Aab69284 HIV-1 non
10	217	100.0	1003	5 AAO19387	Aao19387 Lymphaden
11	217	100.0	1003	6 ABR55489	Abr55489 Amino aci
12	217	100.0	1012	6 ABU63325	Abu63325 Human lym
13	217	100.0	2033	2 AAR08056	Aar08056 HIV-1 pol
14	217	100.0	3033	7 ADA93379	Ada93379 Lymphaden
15	215	99.1	106	2 AAY05626	Aay05626 HIV-1 gro
16	215	99.1	288	5 AAO21414	Aao21414 Human imm
17	215	99.1	288	5 AAO21421	Aao21421 Human imm
18	215	99.1	982	2 AAR09301	Aar09301 Sequence
19	215	99.1	995	5 AAU84391	Aau84391 HIV POL c
20	215	99.1	998	6 AAE37601	Aae37601 HIV-1 sub
21	215	99.1	1000	3 AAB69282	Aab69282 HIV-1 non
22	215	99.1	1003	3 AAB69288	Aab69288 HIV-1 non
23	215	99.1	1003	3 AAB69289	Aab69289 HIV-1 non
24	215	99.1	1005	3 AAB69287	Aab69287 HIV-1 non
25	214	98.6	288	4 AAB49616	Aab49616 HIV-1 int

26	214	98.6	288	5 AAO21410	Aao21410 Human imm
27	214	98.6	288	5 AAO21429	Aao21429 Human imm
28	214	98.6	290	3 AAB37437	Aab37437 HIV-1 int
29	214	98.6	912	2 AAR08057	Aar08057 HIV-1 pol
30	214	98.6	1003	3 AAB10047	Aab10047 HIV-1 pol
31	214	98.6	1003	3 AAY70600	Aay70600 Wild type
32	214	98.6	1003	3 AAY70602	Aay70602 Codon opt
33	214	98.6	1003	3 AAY70601	Aay70601 Corrected
34	213	98.2	288	5 AAO21426	Aao21426 Human imm
35	213	98.2	770	2 AAR13786	Aar13786 HIV multi
36	213	98.2	1001	2 AAR12256	Aar12256 HIV-1 str
37	212	97.7	115	5 AAO18860	Aao18860 Protein w
38	212	97.7	253	5 AAO18861	Aao18861 Protein w
39	212	97.7	288	5 AAO21413	Aao21413 Human imm
40	212	97.7	288	5 AAO21415	Aao21415 Human imm
41	212	97.7	288	5 AAO21427	Aao21427 Human imm
42	212	97.7	288	5 AAO21428	Aao21428 Human imm
43	212	97.7	288	5 AAO21418	Aao21418 Human imm
44	212	97.7	288	5 AAO21417	Aao21417 Human imm
45	212	97.7	288	5 AAO21416	Aao21416 Human imm

ALIGNMENTS

RESULT 1
AAR91824
ID AAR91824 standard; protein; 282 AA.

XX AC AAR91824;
XX DT 25-MAR-2003 (revised)
XX DT 21-NOV-1996 (first entry)
XX DE Human immunodeficiency virus pol-int 1 antigen.
XX KW Recombinant antigen; antibody detection; HIV-1; HIV-2; AIDS;
XX KW recombinant DNA; env 1; gag 1; pol 1; pol-int 1; env 2;
XX KW transcribed E. coli.
XX OS Human immunodeficiency virus.
XX PN RU2043411-C1.
XX PD 10-SEP-1995.
XX PF 05-JAN-1992; 92SU-05025679.
XX PR 05-JAN-1992; 92SU-05025679.
XX PA (BIOS=) BIOSERVIS BIOTECH/CO.
XX PI Zaitsev IZ, Andzhaparidze OG, Sukhanova LL;
XX DR WPI; 1996-207763/21.
XX PT Compn. for detecting antibodies to HIV-1 and HIV-2 - contains a set of
XX PT recombinant antigens synthesised by E.coli cells transformed by env1,
XX PS gag1, pol1, pol-int1 and env2 genes.
XX PS Example 2; Col 9-10; 7pp; Russian.
XX CC The present sequence is a HIV pol-int 1 antigen, used in a novel compen.
XX CC for the detection of HIV-1 and HIV-2 antibodies, and therefore AIDS. The
XX CC compn. contains a set of recombinant antigens synthesised in E. coli
XX CC transformed with recombinant DNA, comprising fragments of the HIV env 1,
XX CC gag 1, pol 1, pol-int 1 and/or env 2 genes. E. coli beta-galactosidase
XX CC may be used as a control antigen. (Updated on 25-MAR-2003 to correct PR
XX CC field.) (Updated on 25-MAR-2003 to correct PR field.)
XX SQ Sequence 282 AA;

Query Match 100.0%; Score 217; DB 2; Length 2827